Ethernet Switch

BOSCH
Invented for life

- Power supply/signalling contact 1 and 2: 1x plug-in terminal block 2-pole, 1x plug-in terminal block 2-pole
- V.24 access: 1x RJ11 socket
- USB interface: 1x USB to connect the auto configuration adapter ACA21-USB

The 8 Port Fast Ethernet Switch is managed, for DIN rail store-and-forward-switching and has a fanless design.

Functions

Network size – length of cable

Twisted Pair (TP)	0 m – 100 m
Multimode fibre (MM) 50/125 µm	0 - 5000 m, 8 dB Link Budget with 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km
Multimode fibre (MM) 32.5/125 µm	0 - 4000 m, 8 dB Link Budget with 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km
Singlemode fibre (SM) 9/125 µm	0 – 32,5 km, 16 dB Link Budget with 1300 nm, A = 0.4 dB/km, 3 dB Reserve, D = 3.5 ps/(nm x km)
Singlemode fibre (LH) 9/125 µm (Long Haul-Transceiver)	-

Network size – cascadibility

Line-/star topology	Any
Ring structure (HIPER-Ring) quantity switches	> 100
Reconfiguration time	< 10ms (10 switches), < 30ms (50 switches), < 40ms (100 switches), < 60ms (200 switches)

Certifications and approvals

Security for Industrial Control Equipment	cUL 508
Hazardous areas	cUL 1604 Class1 Div 2
Shipbuilding	Germanischer Lloyd
Rail standard	EN50121-4
Substation	IEC 61850-3, IEEE 1613
Transportation	NEMA TS2